ABSTRACT

METHOD OF SELECTING SEEDS FOR THE CLUSTERING OF KEY-FRAMES

The method is characterized in that it implements the following steps :

- random drawing of p candidates from the set of key images,
- calculation of a cost C for each candidate,
- selection of the candidate (k1) minimizing the cost C,
- determination of a subset (Ik) from among the set of key images such that the key images forming the said subset have a distance from the candidate less than a threshold T,
- determination of a seed (k2) from among the key images of the subset (Ik) such that it minimizes the cost function C for this subset,
- deletion of the key images of the subset (Ik) to form a new set of key images for at least one new random draw and determination of a new seed according to the previous 5 steps.

The field is that of the selection of shots of interest in a video sequence.

Fig. 2.